US00D708644S

(12) United States Design Patent

Nishimura et al.

(10) Patent No.: US D708,644 S
(45) Date of Patent: ** Jul. 8, 2014

(54) **DIESEL ENGINE**

(71) Applicant: **Yanmar Co., Ltd.**, Osaka (JP)

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(73) Assignee: **Yanmar Co., Ltd.**, Osaka (JP)

(**) Term: **14 Years**

(21) Appl. No.: **29/448,572**

(22) Filed: **Mar. 13, 2013**

(30) **Foreign Application Priority Data**

Sep. 14, 2012 (JP) 2012-022323

(51) **LOC (10) Cl.** **15-01**

(52) **U.S. Cl.**
USPC **D15/1**

(58) **Field of Classification Search**
USPC ..... D15/1, 2, 3, 5, 6, 14, 17, 149; 123/22, 123/41.34, 51 A, 606 R, 52.1, 50 A, 50 B, 123/54.1, 54.2, 54.4, 54.5, 65 R, 195 R, 123/195 HC, 657, 311
See application file for complete search history.

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Assistant Examiner — Ania Aman
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(57) **CLAIM**

The ornamental design for a diesel engine, as shown and described.

DESCRIPTION

FIG. **1** is a front side perspective view of a diesel engine showing our new design:

FIG. **2** is a front elevational view thereof;

FIG. **3** is a rear elevational view thereof;

FIG. **4** is a top plan view thereof;

FIG. **5** is a bottom plan view thereof;

FIG. **6** is a right side elevational view thereof;

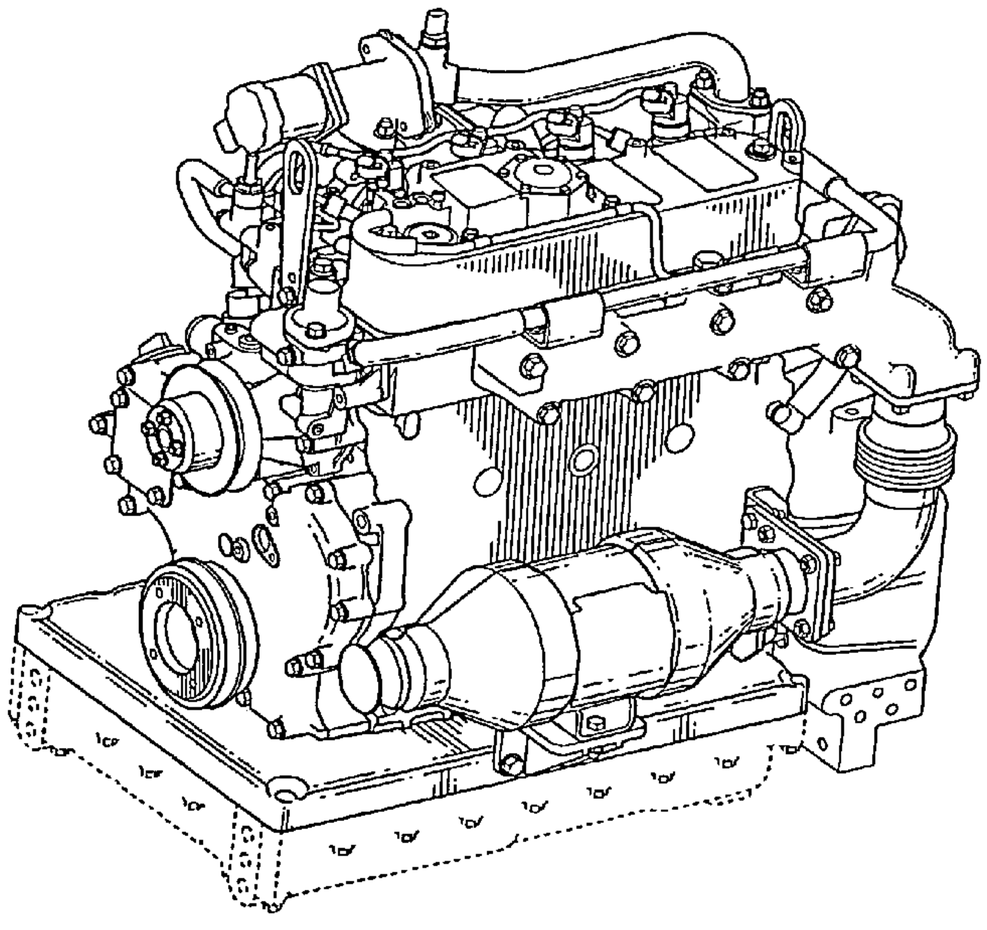
FIG. **7** is a left side elevational view thereof; and,

FIG. **8** is a rear side perspective view thereof showing use of our new design.

The broken line showing of the engine platform in FIGS. **1-3** and **5-8** is for the purpose of illustrating environmental structure and forms no part of the claimed design. The broken line showing of a portion of interior details in FIG. **7** is for the purpose of illustrating portions of the diesel engine and forms no part of the claimed design.

The present article is a diesel engine in which a common rail and an exhaust gas purification device are incorporated. More particularly, the present design is a 4-cylinder engine which drives an air conditioning device for freezing and refrigerating, an in-vehicle temperature controlling device, or a power generating device.

1 Claim, 7 Drawing Sheets



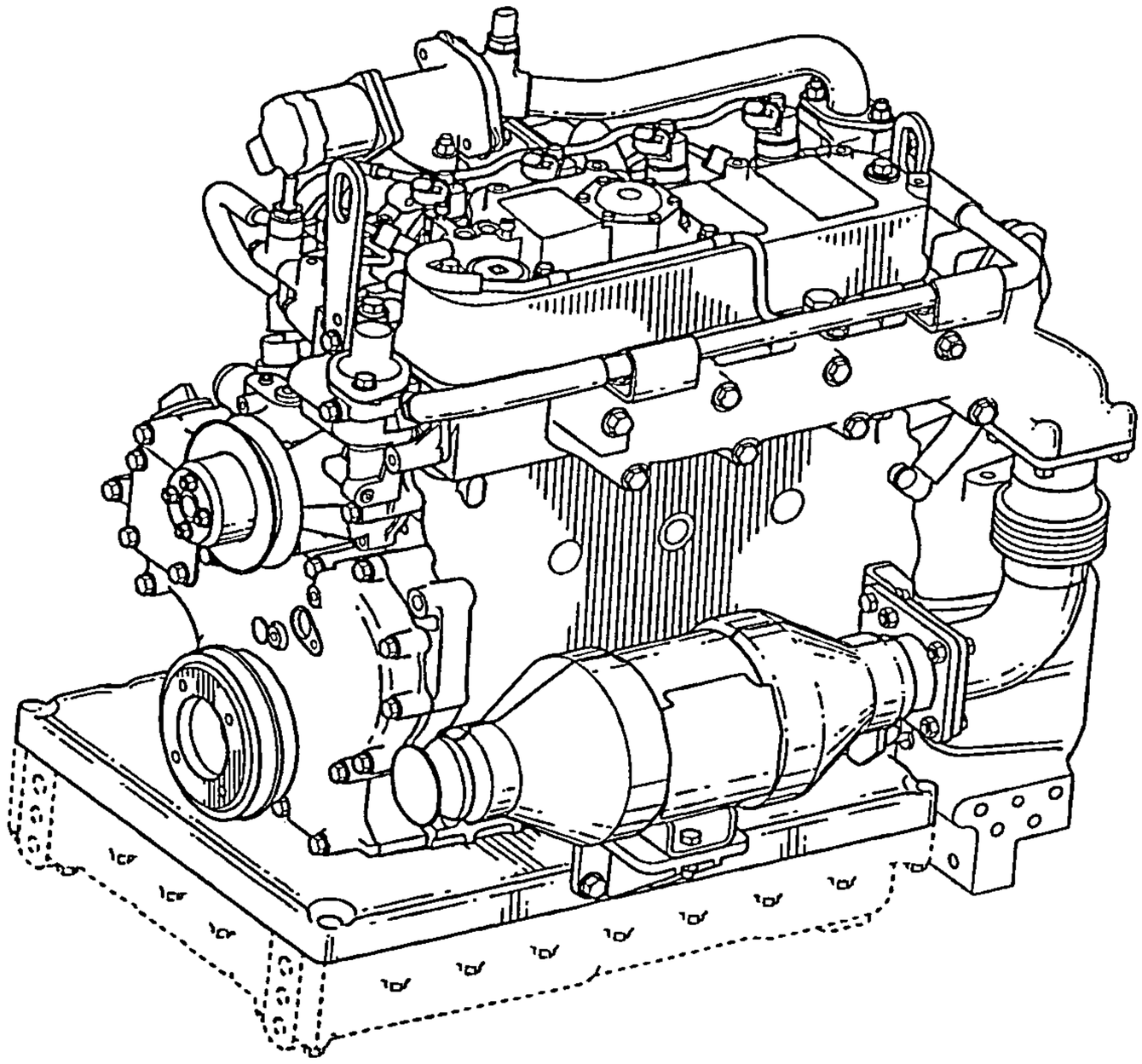


FIG. 1

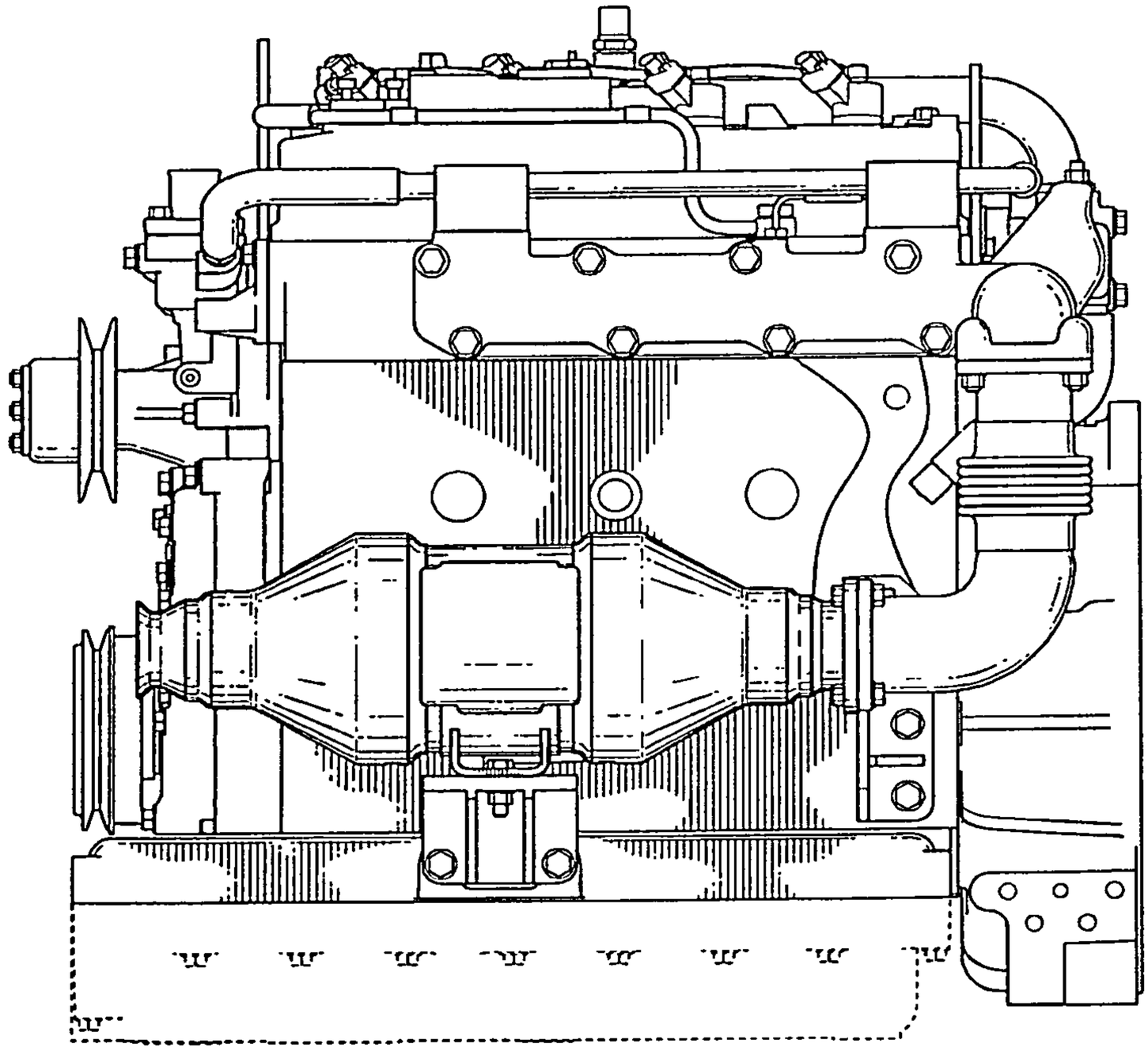


FIG. 2

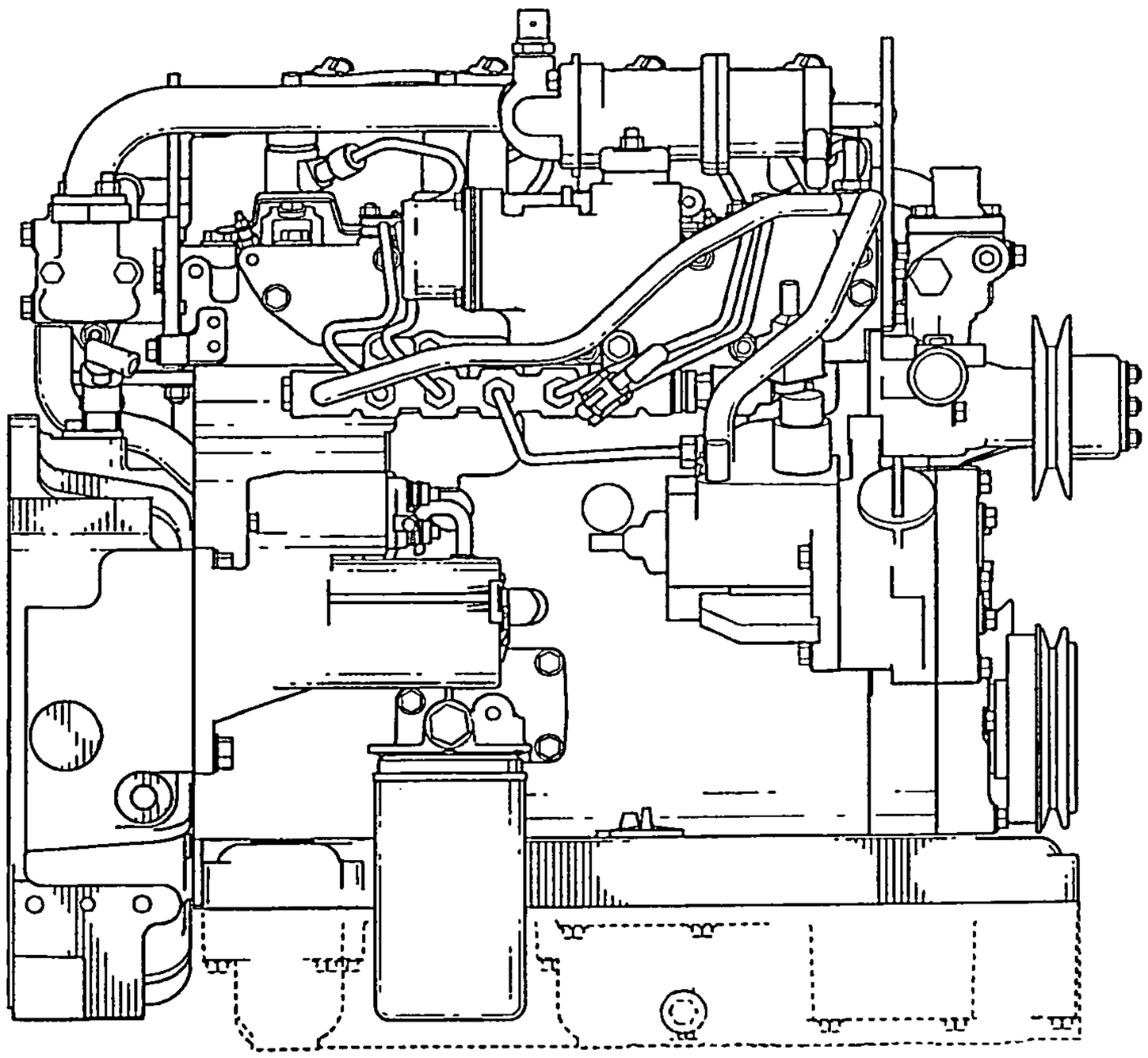


FIG. 3

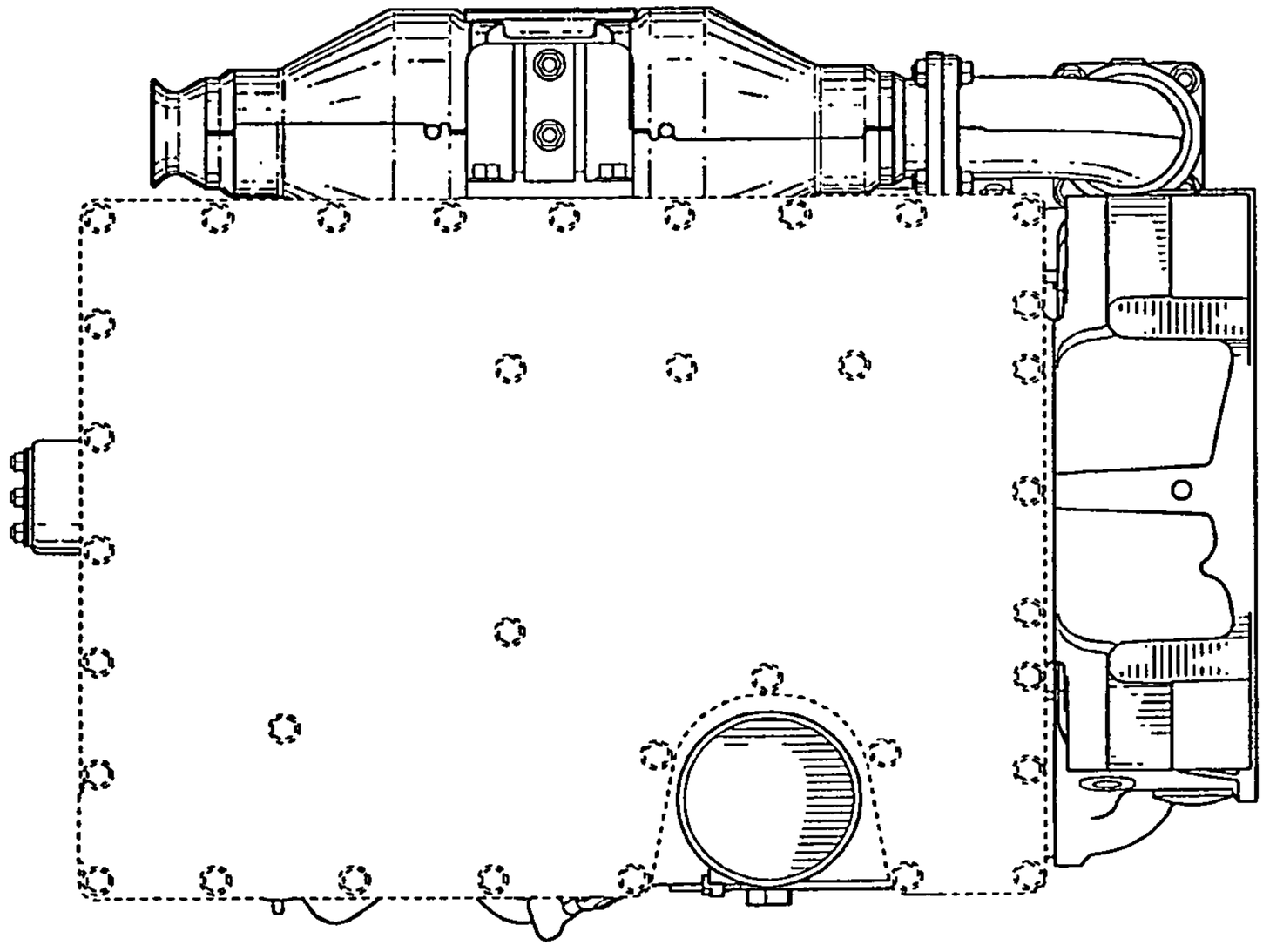


FIG. 5

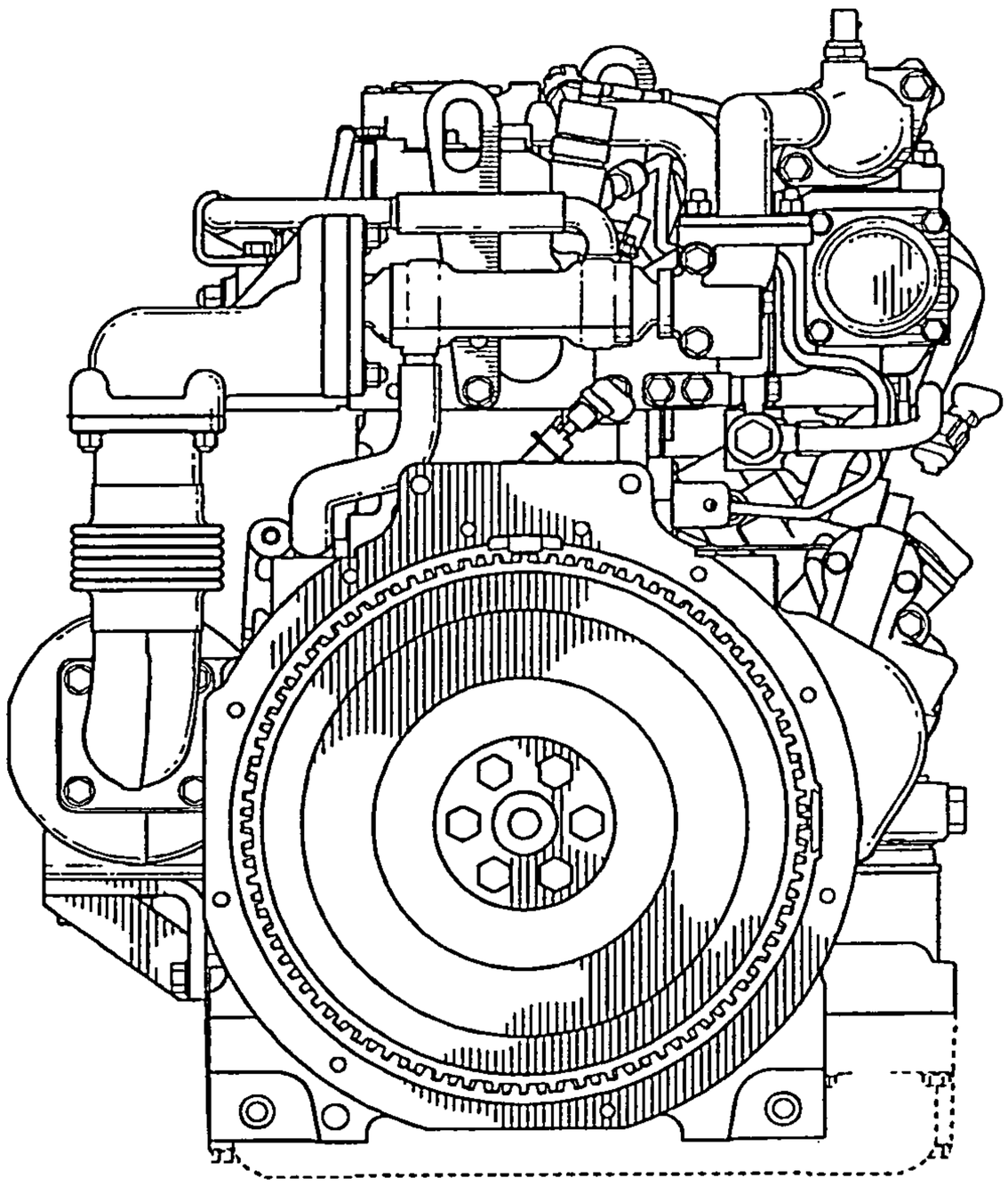


FIG. 6

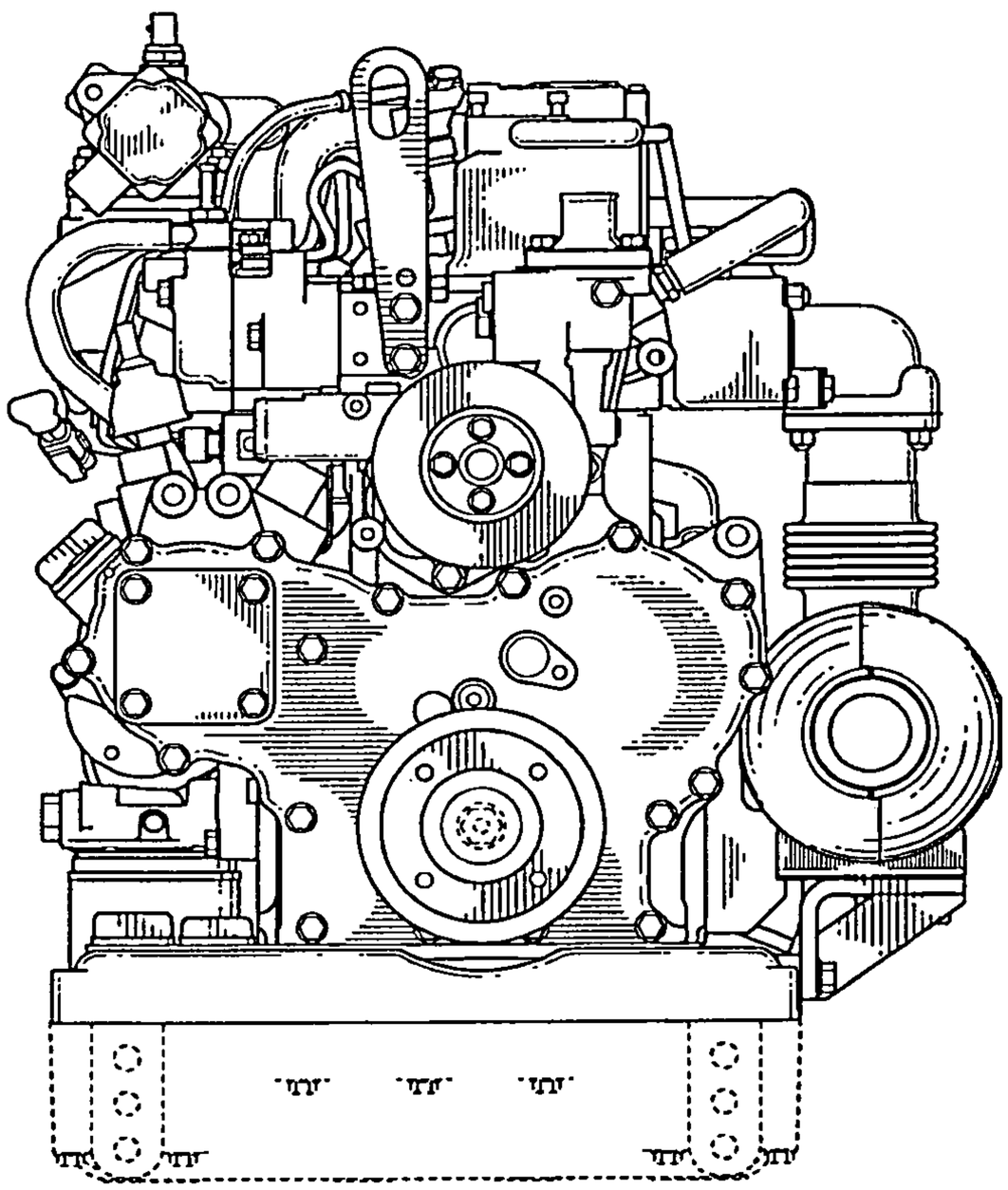


FIG. 7

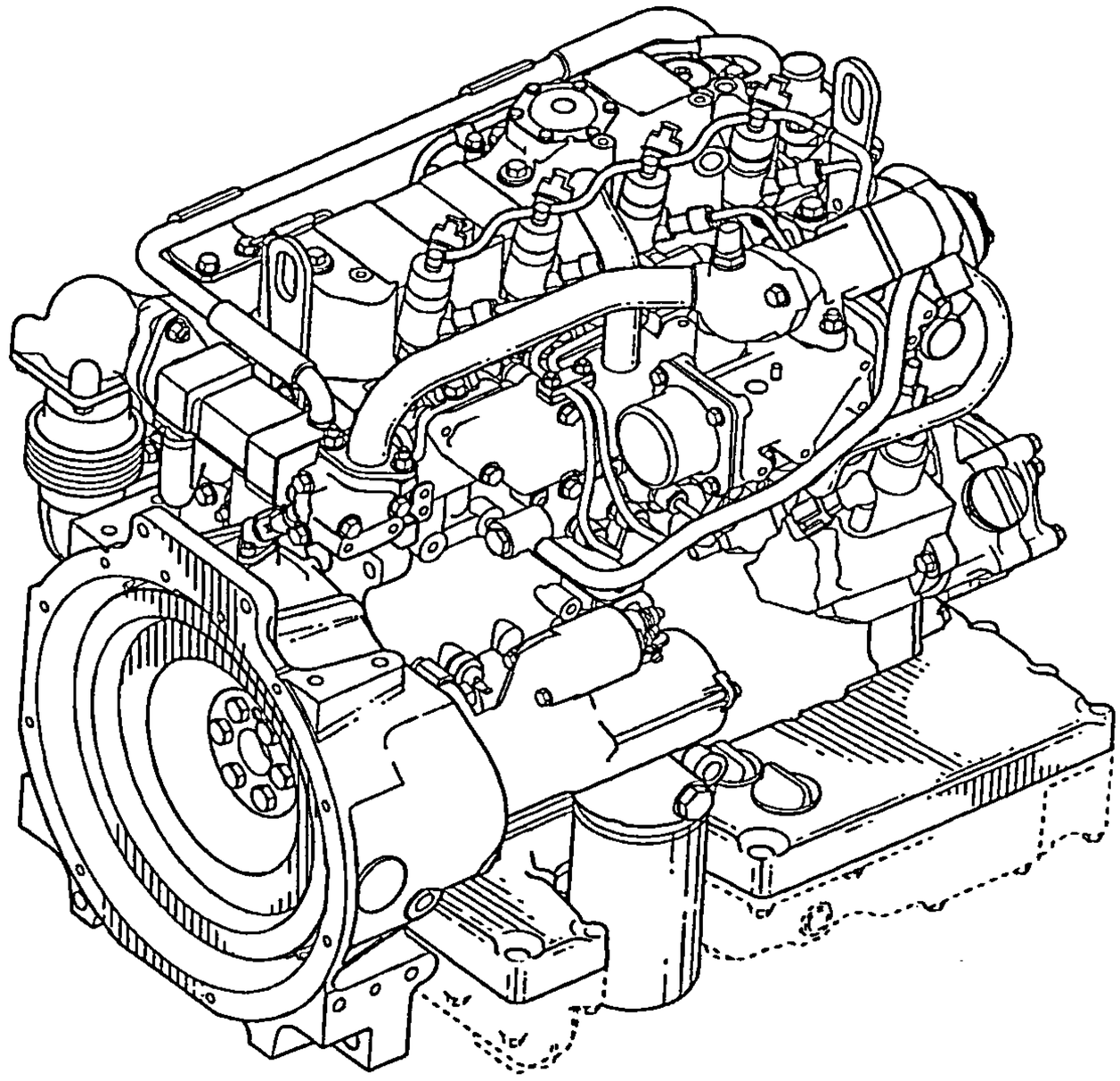


FIG. 8